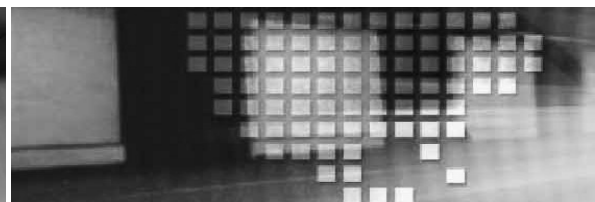
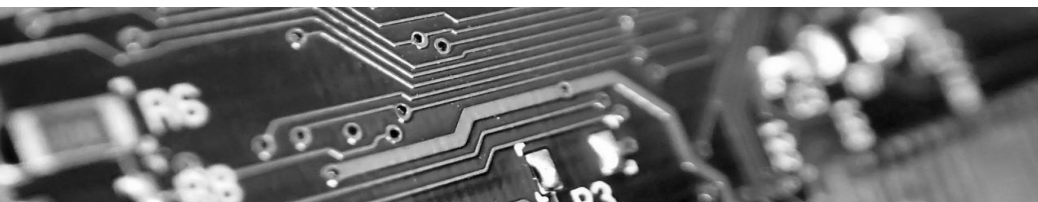


PZVM1 Administration Guide



V1.1
February 2014
Alain Ganuchaud

PZVM1 Administration Guide

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1 GENERAL INFORMATION

1.1 System Overview

This documentation describes the zabbix proxy VM designed by CORE IT PROJECT. The proxy is produced in OVF format (primary developped on ESXi 5.0).

A Zabbix proxy is the ideal solution for centralized monitoring of:

- remote locations
- branches
- secured networks
- with zero administration

Main Features

Embedded Debian 6.0
Whole configuration with Web Interface
Lowcost (from 50 euros)
Zero Admin Solution
Provide main 1.8, 2.0 & 2.2 Zabbix versions
Option Installation Assistance
Option Remote Support

Product Description

Embedded Debian 6.0
Backend Database SQLite3
Compiled Zabbix Proxy with :

- Zabbix Agent
- Zabbix Java Gateway
- Zabbix ssh Agent
- Zabbix IPMI Agent
- Zabbix SNMP Agent
- Zabbix Web Monitoring Agent
- Zabbix Databases Agents: MYSQL, DB2, Postgresql, Oracle & MSSQL
- Zabbix ESX Agent
- SNMP Traps

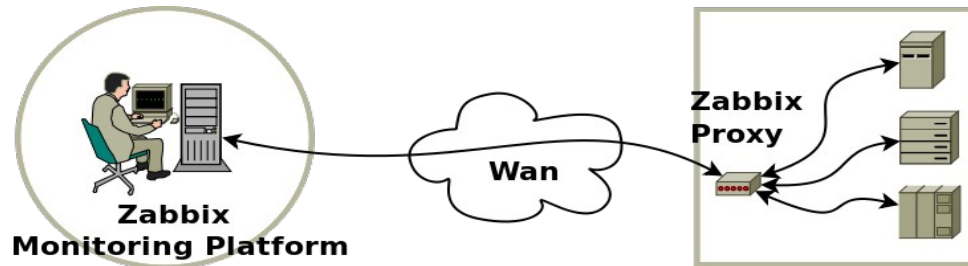
Supported 1.8 versions : 1.8.13 → 1.8.last
Supported 2.0 versions : 2.0.0 → 2.0.last
Supported 2.0 versions : 2.2.0 → 2.2.last
Recommended max load : 100 items/s
1 X CPU (could be extended on Virtualization Host platform)
RAM 256MB - Storage 4GB (could be extended on Virtualization Host platform)
1 Ethernet 1000 (could be extended on Virtualization Host platform)
Support & updates provided during 1 year

Applications

Monitoring remote sites
Monitoring secured networks
Lighten the load of Zabbix server
Centralize the monitoring
JVM, SNMP, Databases & ESX Monitoring out of the Box

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Architecture



Zabbix proxy is a process that collects monitoring data from monitored devices and send the information to the Zabbix server. All collected data is buffered locally and then transferred to the Zabbix server the proxy belongs to, you can consider Zabbix proxy as a black box with zero admin.

Two modes are supported for proxy:

- active mode, the proxy will connect first to the server and request its configuration
- passive mode, the server will connect first to the proxy and downloads the proxy configuration

Thus, with those two modes, you can comply your network architecture.

Licence

All programs developed by CORE IT PROJECT contained in the Proxy box are free softwares; you can redistribute them and/or modify them under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

See the GNU General Public License for more details.

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1.2 Software

Software is based on :

- Linux Debian
- Zabbix software, Zabbix SIA is a company registered in Latvia, owns the Zabbix trademark.
- CORE IT software, CORE IT PROJECT is a company registered in France:
 - Databases Monitoring (DB2, Oracle, MSSQL, MYSQL & Postgresql)
 - Zabbix_* Webmin modules
- Dmitry Maksimov software for ESX Monitoring

Linux Debian version	Zabbix version	Proxy VM version (embedded by Core IT)
Debian 6.0.6 Squeeze Nov 15 th Upgrade	1.8.13 1.8.14 1.8.15 2.0.0 2.0.1 2.0.2 2.0.3	V0.1 – first release 2012 Nov 28
Debian 6.0.6 Squeeze Dec 15 th Upgrade	1.8.13 1.8.14 1.8.15 2.0.0 2.0.1 2.0.2 2.0.3 2.0.4	V1.0 – second major release 2012 Dec 23 - Add crypted connection with Zabbix Server - Add ESX Monitoring - Add Databases Monitoring for Oracle, DB2, MYSQL, Postgresql & MSSQL Server - Add JVM monitoring - Add SNMP Traps - Add dump facility - Add Zabbix 2.0.4 update - Add related monitoring Zabbix templates
Debian 6.0.6 Squeeze Dec 15 th Upgrade	1.8.13 1.8.14 1.8.15 2.0.0 2.0.1 2.0.2 2.0.3 2.0.4 2.2.0 2.2.2	V1.1 2014 Jan 23

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2 GETTING STARTED

Below is the configuration sequence, proceed in this order, step by step:

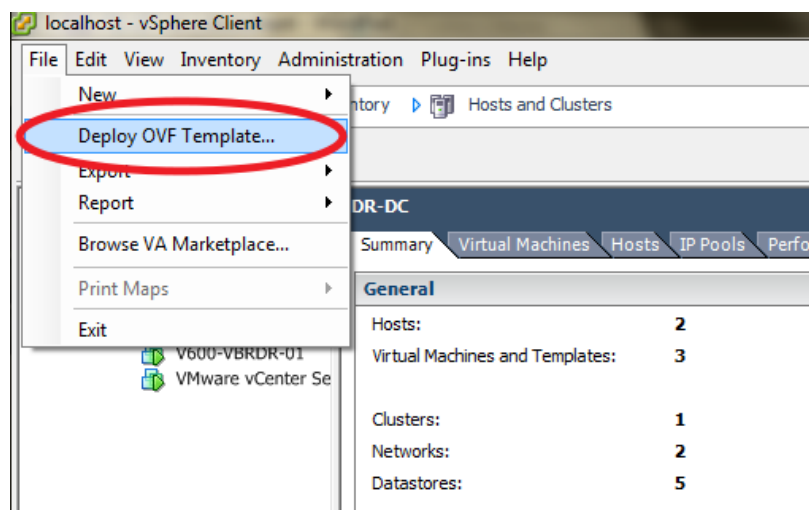
1. Deploy the OVF on your favorite Virtualization Host Platform
2. Change the TCP/IP parameters
3. Change the passwords
4. Configure Time zone
5. Change the Zabbix parameters:
 1. version
 2. proxy
 3. agent
 4. java
6. Configure the crypted connection between Proxy and zabbix server
7. Configure the monitoring plugins:
 1. Databases monitoring: Oracle, DB2, MYSQL, MSSQL & Postgresql
 2. ESX monitoring
 3. SNMP Traps

2.1 Deploy OVF

In the OVF zip file, you will find:

- The Proxy VM
- Proxy Zabbix Template
- Databases (Oracle, DB2, MYSQL, MSSQL Server, Postgresql) Zabbix Templates
- ESX Zabbix Template
- DB Monitoring V6 documentation
- Zabbix Proxy VM Admin Guide (this document)

You deploy the ovf from your favorite Virtualization platform. Below is an example from a VMWARE vSphere client.



Then, you can boot the VM, the default IP is 192.168.111.70.

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2.2 Logging On

Connect your favorite browser to the following URL:

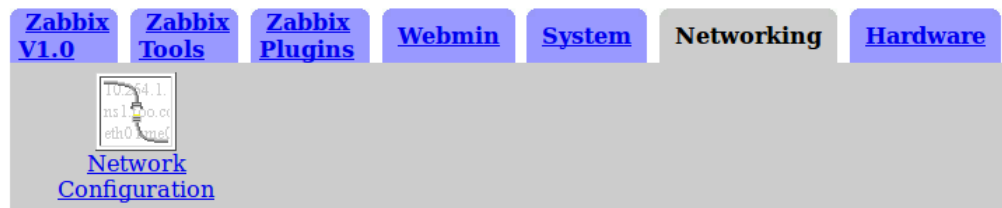
<http://192.168.111.70>

username: admin
password: coreit.fr

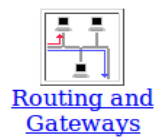
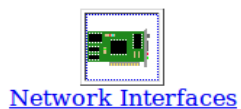
Login to Webmin
You must enter a username and password to login to the Webmin server on 192.168.111.63.
Username
Password
☐ Remember login permanently?

2.3 Configure TCP/IP parameters

Click on the Networking Tab and then on the Network configuration icon.



Change the TCP/IP parameters according your network.



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2.3.1 Network interfaces

Through Network interfaces icon, change eth0 IP address and mask, we recommend static IP configuration for your proxy.

<input checked="" type="radio"/> Static configuration	IPv4 address	<input type="text" value="192.168.111.63"/>
	Netmask	<input type="text" value="255.255.255.0"/>
	Broadcast	<input type="radio"/> Automatic <input checked="" type="radio"/>
		<input type="text" value="192.168.111.255"/>

Save your configuration.

2.3.2 Routing and Gateways

Through Routing and gateways icon, change default gateway and add routes if needed.

Routing configuration activated at <i>boot time</i>				
Default router	<input type="radio"/> None (or from DHCP) <input checked="" type="radio"/> Gateway		<input type="text" value="192.168.111.1"/>	<input type="text" value="eth0"/>
Act as router?	<input checked="" type="radio"/> Yes <input type="radio"/> No			
Static routes	Interface	Network	Netmask	Gateway
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Local routes	Interface	Network	Netmask	
	<input type="text"/>	<input type="text"/>	<input type="text"/>	

Save your configuration.

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2.3.3 Hostname and DNS Client

Through Hostname and DNS Client, change hostname, domain and DNS servers.

The screenshot shows the 'DNS Client Options' window. It has a title bar 'DNS Client Options' in blue. The main area is divided into sections: 'Hostname' with a text box containing 'alix.coreit.fr' and a checked checkbox 'Update hostname in host addresses if changed?'; 'Resolution order' with three dropdown menus, the first showing 'Hosts file', the second 'DNS', and the third empty; 'DNS servers' with two text boxes containing '192.168.111.57' and '192.168.38.1'; and 'Search domains' with radio buttons for 'None' and 'Listed ..' (selected), and a text box containing 'coreit.fr'.

Save

Save your configuration.

2.3.4 Host Addresses

Through Host addresses, change hosts info according your previous changes.

	IP Address	Hostnames
<input type="checkbox"/>	127.0.0.1	localhost
<input type="checkbox"/>	192.168.111.63	alix.coreit.fr , alix
<input type="checkbox"/>	::1	ip6-localhost , ip6-loopback
<input type="checkbox"/>	fe00::0	ip6-localnet
<input type="checkbox"/>	ff00::0	ip6-mcastprefix
<input type="checkbox"/>	ff02::1	ip6-allnodes
<input type="checkbox"/>	ff02::2	ip6-allrouters

Update the Hosts file (local name resolution), change the default IP with your proxy's IP and configure the Fully Qualified Name & Short Name (alias).

Example:

192.168.0.25 proxynome.mydomain.myorg proxynome

The screenshot shows the 'Host and Addresses' window. It has a title bar 'Host and Addresses' in blue. The main area is divided into two sections: 'IP Address' with a text box containing '192.168.111.63' and a label 'IP of your proxy'; and 'Hostnames' with a text box containing 'alix.coreit.fr' and 'alix', and labels 'Proxy FQN' and 'Proxy short name'.

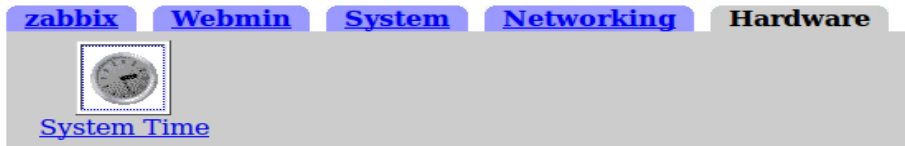
Save

Save your configuration.

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2.4 Configure Time zone

Go to the System Time Tab and Hardware icon.



Configure the appropriate Time zone.

Set time **Change timezone** **Time server sync**

This form allows you to set the system's default time zone in human-readable format and offset.

Time Zone

Change timezone to

Save Save your configuration.



You can by-pass the next step if your VM is synchronized by another mechanism like ntp synchronization from the Virtualization Host Platform.

Configure your ntp servers (could be internal ones). We recommend you schedule the synchronization regularly and synchronize the hardware clock like on the below screenshot.

Set time **Change timezone** **Time server sync**

This form is for configuring the system to automatically synchronize the time with a remote server. Synchronization will be done using the Unix time protocol or NTP, depending on which commands are installed and what the remote system supports.

Time Server

Timeserver hostnames or addresses

☒ Set hardware time too

Synchronize when Webmin starts? ☐ Yes ☒ No

Synchronize on schedule? ☐ No ☒ Yes, at times below ..

Minutes	Hours	Days	Months	Weekdays
<input type="radio"/> All	<input type="radio"/> All	<input type="radio"/> All	<input type="radio"/> All	<input type="radio"/> All
<input type="radio"/> Selected ..	<input type="radio"/> Selected ..	<input type="radio"/> Selected ..	<input type="radio"/> Selected ..	<input type="radio"/> Selected ..
<div>0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59</div>	<div>0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23</div>	<div>1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31</div>	<div>January February March April May June July August September October November December</div>	<div>Sunday Monday Tuesday Wednesday Thursday Friday Saturday</div>

Sync and Apply Sync and Apply your configuration.

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2.5 Change the passwords

The proxy box is configured with the following passwords:

- Linux root : coreit.fr
- Webmin admin : coreit.fr

As those passwords are the same for all the proxy boxes, we strongly recommend you change them.

2.5.1 Change the Webmin password

Go to the Webmin Tab and Webmin Users icon.



Click on admin user.

Webmin Users

[Select all.](#) | [Invert selection.](#) | [Create a new Webmin user.](#)

Webmin Users	
<input type="checkbox"/>	admin

[Select all.](#) | [Invert selection.](#) | [Create a new Webmin user.](#)

And change the admin password.

↓ Webmin user access rights	
Username	<input type="text" value="admin"/>
Password	<input type="text" value="Set to .."/> <input type="password" value="●●●●"/>
	<input type="checkbox"/> Temporarily locked <input type="checkbox"/> Force change at next login
Real name	<input type="text"/>
Storage type	Local files

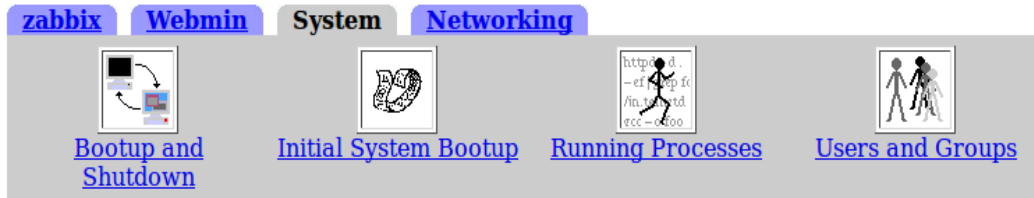
Save

Save your configuration.

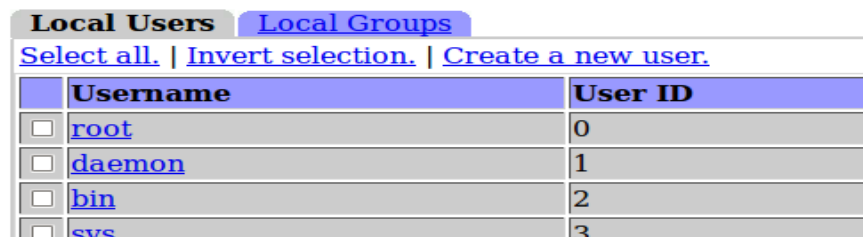
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2.5.2 Change the Linux root password

Go to the System Tab and users and groups icon.



Click on root user.



And change the root password.

The screenshot shows the 'User Details' form for the root user. The form has the following fields and options:

- Username:** root
- User ID:** 0
- Real name:** root
- Home directory:** ☐ Automatic, ☒ Directory /root
- Shell:** /bin/bash
- Password:** ☐ No password required, ☐ No login allowed, ☒ Normal password (passwordchain), ☐ Pre-encrypted

Save

Save your configuration.

Reconnect your browser to the new URL, for example:

<http://192.168.0.25>

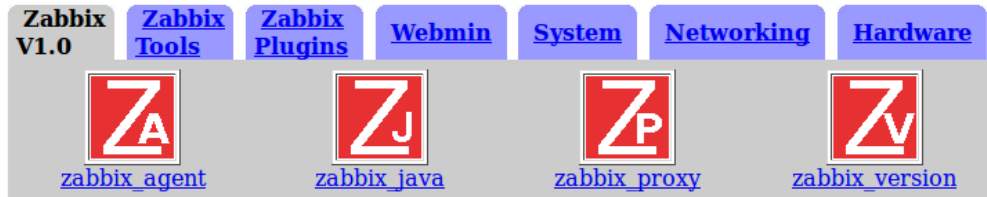
username: admin

password: newpasswordchain

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2.6 Configure zabbix settings

Go to the Zabbix Tab.



2.6.1 Select your zabbix version

Go to zabbix version icon, in the following example, version 2.0.4 will be configured.

Active version
zabbix204

Available versions
zabbix1813 zabbix1814 zabbix1815 zabbix200 zabbix201 zabbix202 zabbix203
zabbix204

Choose version: zabbix###

Save config and restart daemons



Remember that the zabbix proxy version must be the same as the zabbix server or lower!

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2.6.2 Configure zabbix proxy parameters

Go to zabbix proxy icon and configure the parameters according your zabbix network. Clicking on the name of the parameter will return you an online help.

enable	
enable	<input type="text" value="yes"/>
General Configuration	
ProxyMode	<input type="text" value="0"/>
Server	<input type="text" value="128.75.1.1"/>
ServerPort	<input type="text" value="10051"/>
Hostname	<input type="text" value="proxyVM"/>
ListenPort	<input type="text" value="10051"/>
Tunning Parameters	
ProxyOfflineBuffer	<input type="text" value="24"/>
ConfigFrequency	<input type="text" value="3600"/>
StartPollers	<input type="text" value="3"/>
StartIPMIPollers	<input type="text" value="1"/>
Java Parameters	
JavaGateway	<input type="text" value="127.0.0.1"/>
JavaGatewayPort	<input type="text" value="10052"/>
StartJavaPollers	<input type="text" value="2"/>
Default Parameters	
Include	<input type="text" value="/etc/zabbix/zabbix_proxy_defaults.conf"/>

Save config and restart daemon



Only main proxy parameters are configurable by frontend, other parameters must be configured via root ssh session, they are located in /etc/zabbix.



Take care, if you enable the crypted connection between the Zabbix proxy and the Zabbix server, then the Server IP must be the one used in the VPN subnet (see Zabbix_vpn module).

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2.6.3 Configure zabbix agent parameters

Go to zabbix agent icon and configure the parameters according your zabbix network. Clicking on the name of the parameter will return you an online help.

enable	
enable	<input type="text" value="yes"/>
General Configuration	
Hostname	<input type="text" value="proxyVM"/>
ListenPort	<input type="text" value="10050"/>
EnableRemoteCommands	<input type="text" value="1"/>
Server	<input type="text" value="192.168.111.70,127.0.0.1"/>
ServerActive	<input type="text" value="192.168.111.70,127.0.0.1"/>
Tunning Parameters	
StartAgents	<input type="text" value="3"/>
AllowRoot	<input type="text" value="0"/>
Default Parameters	
Include	<input type="text" value="/etc/zabbix/zabbix_agentd_defaults.conf"/>
<input type="button" value="Save config and restart daemon"/>	



Only main agent parameters are configurable by frontend, other parameters must be configured via root ssh session, they are located in /etc/zabbix.

2.6.4 Configure zabbix java parameters

Go to zabbix java icon and configure the parameters according your zabbix network. Clicking on the name of the parameter will return you an online help.

enable	
enable	<input type="text" value="yes"/>
General Configuration	
LISTEN_IP	<input type="text" value="127.0.0.1"/>
LISTEN_PORT	<input type="text" value="10052"/>
START_POLLERS	<input type="text" value="2"/>
PID_FILE	<input type="text" value="/var/run/zabbix/zabbix_java.pid"/>
<input type="button" value="Save config and restart daemon"/>	

CAUTION

JVM Monitoring is only supported with Zabbix versions 2.0.x.

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2.7 Configure Crypted Connection

Go to the Zabbix Tools Tab. This configuration is not mandatory if you do not want crypted connection between Zabbix server and Zabbix proxy; if you monitor a remote office over Internet via the proxy, we recommend this configuration.



Go to zabbix vpn icon and configure the parameters according your zabbix network. Clicking on the name of the parameter will return you an online help.

enable	
enable	yes
General Configuration	
remote	zabbix.coreit.fr 1443
proto	tcp
dev	tun
ca	/etc/openvpn/keys/ca.crt
cert	/etc/openvpn/keys/proxy.crt
key	/etc/openvpn/keys/proxy.key
Tunning Parameters	
log	/var/log/openvpn.log
verb	3
mute	20
Save config and restart daemon	

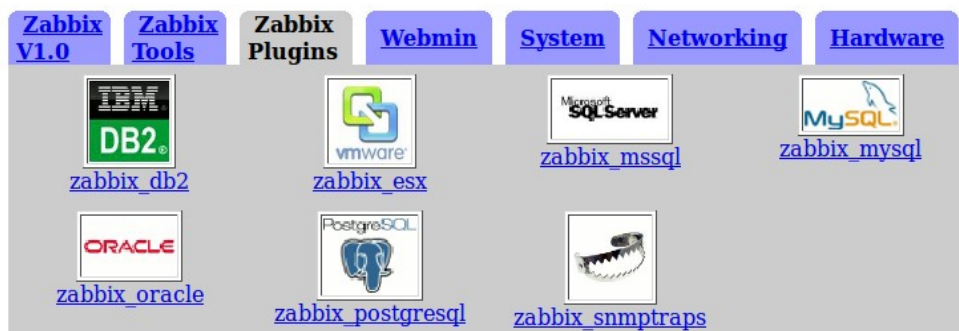
Zabbix_vpn is based on openvpn client (<http://openvpn.net>) , ie Zabbix server must be configured as an OpenVPN server. Please, take a look at OpenVPN HowTo to understand how to setup an OpenVPN server <http://openvpn.net/index.php/open-source/documentation/howto.html>

As proxy is based on debian, OpenVPN client was designed according the Debian OpenVPN Wiki <http://wiki.debian.org/OpenVPN>

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2.8 Configure Database Plugins

Go to Zabbix Plugins Tab.



2.8.1 Configure DB2 Monitoring parameters

Go to zabbix db2 icon and configure the parameters according your DB2 server. Clicking on the name of the parameter will return you an online help.

Default Parameters	
default_user	<input type="text" value="no_default_user"/>
default_password	<input type="text" value="no_default_password"/>
instance	
name	<input type="text" value="db2_instance_name"/>
host	<input type="text" value="192.168.0.96"/>
port	<input type="text" value="50001"/>
username	<input type="text" value="db2_user"/>
password	<input type="text" value="secret_password"/>
<input type="button" value="Save config"/>	

Templates Configuration

On Zabbix frontend, DB2 hosts must be configured with two templates:

- T_DB2_INSTANCE Template that contains DB2 Instance monitoring.
- T_DB2_DATABASE Template that contains DB2 Database monitoring.

Hosts Configuration

On Zabbix frontend, two macros must be configured on DB2 hosts:

- {\$DB2_INSTANCE_NAME} The instance name you entered upper.
- {\$DB2_DATABASE_NAME} Name of monitored database.

[Online Help](#)



Read Online Help, it will guide you for the Database Monitoring Setup. The Version 1.0 frontend is not able to configure more than one Database Instance,

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but you can configure the Zabbix Monitoring with ssh connection if you need more. Database Templates are included in the OVF zip file.

2.8.2 Configure Oracle Monitoring parameters

Go to zabbix oracle icon and configure the parameters according your Oracle server. Clicking on the name of the parameter will return you an online help.

Default Parameters	
apiurl	<input type="text" value="https://zabbix.coreit.fr/"/>
apiuser	<input type="text" value="apiuser"/>
apipass	<input type="text" value="apipass"/>
default_user	<input type="text" value="no_default_user"/>
default_password	<input type="text" value="no_default_password"/>
Instance Parameters	
name	<input type="text" value="oracle_instance_name"/>
host	<input type="text" value="192.168.0.98"/>
port	<input type="text" value="1521"/>
service	<input type="text" value="Service_name"/>
username	<input type="text" value="user_name"/>
password	<input type="text" value="secret_password"/>

Templates Configuration

On Zabbix frontend, ORACLE hosts must be configured with one template :

- T_ORACLE_INSTANCE Template that contains ORACLE Instance monitoring.

Hosts Configuration

On Zabbix frontend, two macros must be configured on ORACLE hosts:

- {\$ORACLE_INSTANCE_NAME} The instance name you entered upper.
- {\$ORACLE_ALERTLOGPATH} The alert log path of the SID except if you configure upper fields apiuser, apipass & apiurl; in this case, the alert log path will be discovered automatically.

[Online Help](#)



Read Online Help, it will guide you for the Database Monitoring Setup. The Version 1.1 frontend is not able to configure more than one Database Instance, but you can configure the Zabbix Monitoring with ssh connection if you need more. Database Templates are included in the OVF zip file.

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2.8.3 Configure MS SQL Server Monitoring parameters

Go to zabbix mssql icon and configure the parameters according your MS SQL server. Clicking on the name of the parameter will return you an online help.

Default Parameters	
tds_version	<input type="text" value="8.0"/>
text_size	<input type="text" value="64512"/>
default_user	<input type="text" value="no_default_user"/>
default_password	<input type="text" value="no_default_password"/>
Instance Parameters	
name	<input type="text" value="xp_mssql"/>
host	<input type="text" value="192.168.62.95"/>
port	<input type="text" value="1435"/>
username	<input type="text" value="sa"/>
password	<input type="text" value="oct00ant"/>

Templates Configuration

On Zabbix frontend, MSSQL hosts must be configured with three templates :

- T_MSSQL_DEFAULT_INSTANCE Template that contains perf counters for the default instance.
- T_MSSQL_NAMED_INSTANCE Template that contains perf counters for the named instance.
- T_MSSQL_DATABASE Template that contains MSSQL Database monitoring.

Hosts Configuration

On Zabbix frontend, three macros must be configured on MSSQL hosts:

- {\$MSSQL_INSTANCE_NAME} The name of the default instance you entered upper.
- {\$MSSQL_DATABASE_NAME} Name of monitored database.
- {\$MSSQL_NAMED_INSTANCE_NAME} The name of the named instance (given by item: MSSQL Server Instance Name).

[Online Help](#)



Read Online Help, it will guide you for the Database Monitoring Setup. The Version 1.1 frontend is not able to configure more than one Database Instance, but you can configure the Zabbix Monitoring with ssh connection if you need more. Database Templates are included in the OVF zip file.

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2.8.4 Configure MYSQL Monitoring parameters

Go to zabbix mysql icon and configure the parameters according your MYSQL server. Clicking on the name of the parameter will return you an online help.

Default Parameters	
default_user	<input type="text" value="no_default_user"/>
default_password	<input type="text" value="no_default_password"/>
instance	
name	<input type="text" value="mysql_instance"/>
host	<input type="text" value="192.168.0.99"/>
port	<input type="text" value="3306"/>
username	<input type="text" value="user_name"/>
password	<input type="text" value="secret_password"/>

Templates Configuration

On Zabbix frontend, MYSQL hosts must be configured with two templates

:

- T_MYSQL_INSTANCE Template that contains MYSQL Instance monitoring.
- T_MYSQL_DATABASE Template that contains MYSQL Database monitoring.

Hosts Configuration

On Zabbix frontend, two macros must be configured on MYSQL hosts:

- {\$MYSQL_INSTANCE_NAME} The instance name you entered upper.
- {\$MYSQL_DATABASE_NAME} Name of monitored database.

[Online Help](#)



Read Online Help, it will guide you for the Database Monitoring Setup. The Version 1.1 frontend is not able to configure more than one Database Instance, but you can configure the Zabbix Monitoring with ssh connection if you need more. Database Templates are included in the OVF zip file.

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2.8.5 Configure POSTGRESQL Monitoring parameters

Go to zabbix Postgresql icon and configure the parameters according your Postgresql server. Clicking on the name of the parameter will return you an online help.

Default Parameters	
default_user	<input type="text" value="no_default_user"/>
default_password	<input type="text" value="no_default_password"/>
instance	
name	<input type="text" value="instance_name"/>
host	<input type="text" value="192.168.0.99"/>
port	<input type="text" value="5432"/>
username	<input type="text" value="user_name"/>
password	<input type="text" value="secret_password"/>

Templates Configuration

On Zabbix frontend, POSTGRESQL hosts must be configured with two templates :

- T_POSTGRESQL_INSTANCE Template that contains POSTGRESQL Instance monitoring.
- T_POSTGRESQL_DATABASE Template that contains POSTGRESQL Database monitoring.

Hosts Configuration

On Zabbix frontend, two macros must be configured on POSTGRESQL hosts:

- {\$POSTGRESQL_INSTANCE_NAME} The instance name you entered upper.
- {\$POSTGRESQL_DATABASE_NAME} Name of monitored database.

Online Help

Go to zabbix postgresql icon and configure the parameters according your Postgresql server. Clicking on the name of the parameter will return you an online help.

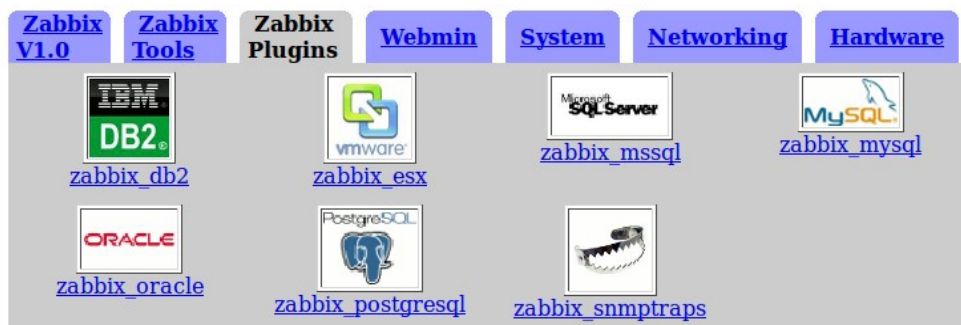


Read Online Help, it will guide you for the Database Monitoring Setup. The Version 1.1 frontend is not able to configure more than one Database Instance, but you can configure the Zabbix Monitoring with ssh connection if you need more. Database Templates are included in the OVF zip file.

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2.9 Configure other Plugins

Go to Zabbix Plugins Tab.



2.9.1 Configure ESX Monitoring parameters

Go to zabbix esx icon and configure the parameters according your ESX server. Clicking on the name of the parameter will return you an online help.

Default Parameters	
default_user	<input type="text" value="no_default_user"/>
default_password	<input type="text" value="no_default_password"/>
ESX Parameters	
esx_name	<input type="text" value="ESX_Name"/>
host	<input type="text" value="hostname or IP"/>
username	<input type="text" value="user_name"/>
password	<input type="text" value="secret_password"/>

Templates Configuration

On Zabbix frontend, ESX hosts must be configured with one template :
- T-ESX Template that contains ESX monitoring items.

Hosts Configuration

On Zabbix frontend, one macro must be configured on ESX hosts:
- {\$VOLUMEx} macros contain the name of the Datastores.

[Online Help](#)



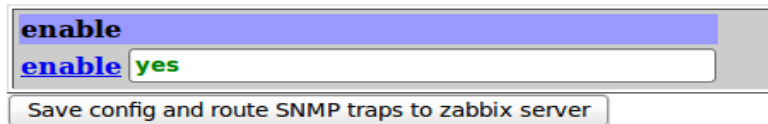
Read Online Help, it will guide you for the ESX Monitoring Setup. The Version 1.1 frontend is not able to configure more than one ESX server, but you can configure the Zabbix Monitoring with ssh connection if you need more. Database Templates are included in the OVF zip file.

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2.9.2 Configure SNMP Traps parameters

Go to zabbix snmptraps icon and enable/disable the SNMP Traps routing to the Zabbix server.

We do recommend to centralize SNMP Traps Analysis directly on the Zabbix Server that is able to dispatch traps among servers (since version 2.0.0), the purpose of this plugin is just the automatic routing according your network (crypted connection or not) to the Zabbix Server.



The screenshot shows a configuration window for SNMP traps. It features a blue header bar with the word "enable" in white. Below the header, there is a text input field containing the word "enable" in blue and the word "yes" in green. At the bottom of the window, there is a button labeled "Save config and route SNMP traps to zabbix server".

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3 TEMPLATES

3.1 Proxy Template

In the OVF directory, you will find a template T-ZABBIX-PROXY designed for proxy monitoring, we recommend you configure it for monitoring your proxy, but this is not mandatory.

On your zabbix frontend, Go the Tab Configuration > HOSTS > Choose the proxy and configure the template from the Templates Tab.



3.2 Other templates

Usage of other templates is explained in Zabbix Plugins paragraphs.

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4 TROUBLESHOOTING

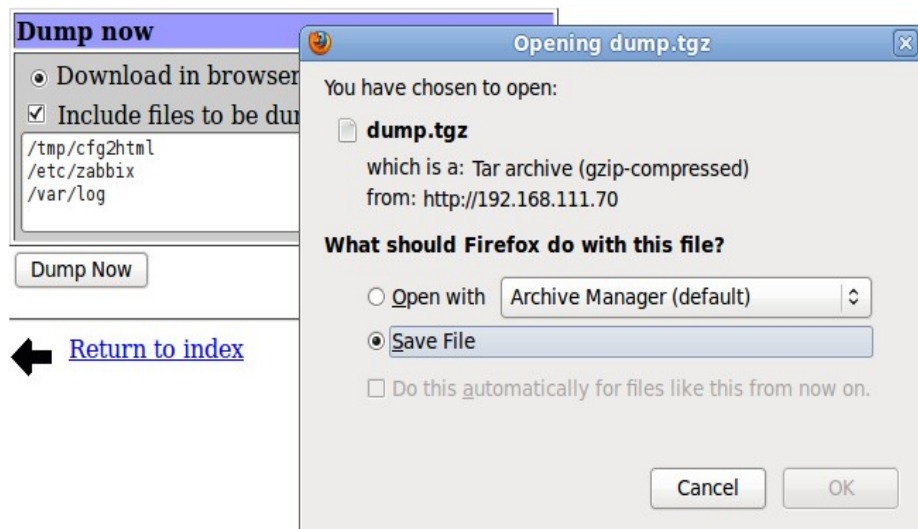
4.1 Dump

For any problem, please report it to Core IT Project support by sending the dump that will be generated as following.

Go to the Zabbix Tools Tab.



Go to zabbix dump Module icon and download the dump to your Desktop from your browser. The dump contains nothing confidential except TCP/IP ergonomomy (IP adresses, ...), it contains Zabbix configuration, zabbix & system logs and the ergonomomy of the VM. You can add some additional files to the dump upon support request.



Please send the dump to support@coreit.fr with a description of the problem.

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5 SSH CONNECTION

You must connect via ssh for every operation that is not supported via frontend, for example:

- adding a Debian package
- configuring a zabbix parameter that is not configurable via frontend
- Managing several Database Instances (frontend will be able to manage them from version 2.0)
-



As the console keyboard is configured as **AZERTY**, you may want to reconfigure it with the following command: ***dpkg-reconfigure console-data***

6 CAVEATS AND EXCEPTIONS



Caution, some operations are not yet supported.

- As the solution is highly embedded with webmin, we strongly discourage you to update webmin.
- Normally Debian updates must be supported by the solution but we recommend you test it before
-

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7 ROADMAP

Roadmap
V.0.1 first Major version – November 2012 V.0.x minor versions (corrections & & zabbix new versions)
V.1.0 second Major version – January 2013 - Debian/Webmin Updates - Zabbix new versions - Crypted connection between zabbix server & zabbix proxy - Add more fields in admin GUI instead of storing values in default config file - Add ESX & Database Monitoring V6 on Proxy - Add snmp traps facility - V.1.x corrections versions & zabbix new versions
V.2.0 third Major version – Summer 2014 - Debian/Webmin Updates - V.2.4 Zabbix monitoring

8 SUPPORT

All support requests must be sent by mail at
support@coreit.fr

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